



COMING EVENTS

OCTOBER

7 THURSDAY

Lectures
Physiology

"The Adrenergic Theory of Shock Revisited". Dr. E. D. Jacobson, University of Texas, Houston. 3227 Medical Sciences Building. 4 p.m. (Physiology)
"Recent Developments in Laser Spectroscopy". Dr. Aram Mooradian, M.I.T. Cambridge. Room 102 McLennan Physical Laboratories. 4.10 p.m. (School of Graduate Studies and Physics)

Physics

8 FRIDAY

Dance

Dancing to a live band at Graduate Students' Union. All students welcome. 9 p.m. to 1 a.m. \$1.
Football. Carleton at Varsity. Varsity Stadium. 7.30 p.m.

Athletics

9 SATURDAY

Athletics

Rugger. York at Varsity. Back Campus. 11 a.m.

12 TUESDAY

Lectures
Genetics

"Current Research in Behaviour Genetics". Dr. Steven G. Vandenberg, Department of Psychology, University of Colorado. Room 432 Ramsay Wright Zoological Laboratories. 4 p.m. (SGS and Zoology)
"Some Problems in Solving Boundary-Value Problems in Ordinary Differential Equations". Dr. Ivo Babuska, Institute for Fluid Dynamics, University of Maryland. 202 McLennan Physical Laboratories. 2 p.m. (SGS and Computer Science)

Computer Science

Seminar
Medicine

"The Neural Image Approach to Human Vision". Dr. Peter Hallett. Room 3171 Medical Sciences Building. 5 p.m. (Neuroscience Committee and the Toronto Neurological Society)

13 WEDNESDAY

Lecture
Literature

"Metaphor and The Main Problem of Hermeneutics". Paul Ricoeur, Université de Paris. Room 106 U.C. 4.30 p.m. (Graduate Program in Comparative Literature)

Seminars

By Dr. D. R. Hughes. Room 124 Lillian Massey Building. 4 p.m. (Food Sciences)

Engineering

Second in series "Role of the Engineer in Society". Prof. G. Sinclair. G-202 Galbraith Building. 4.10 p.m. Students and staff from all faculties are welcome. (Applied Science)

14 THURSDAY

Lectures
Medieval

"Les hôpitaux en France à la fin du moyen âge". Prof. Michel Mollat, University of Paris-Sorbonne. Room 2118 Sidney Smith Hall. 4 p.m. (Medieval Studies)

(See page 3, col. 1)

COU-CUA finance group reviews Ontario operating grants formula

A joint committee on finance of the Council of Ontario Universities and the Committee on University Affairs expects to have by Nov. 1 an "exposure draft" of a report from a special working group which has been reviewing in detail the provincial operating grants formula.

The working group, comprising three members each from staff of the Finance Branch, Department of Colleges and Universities, and the Research Division of COU, held informal meetings during the summer with representatives of 13 universities in order to learn their feelings about the present formula, their concerns for formula revisions and their suggested methods of approach to the study. It was felt that this would enable a better exchange of views than requesting a formal submission from each university.

It was evident from these meetings that although there were many complaints and problems with the present formula, a formula system for distributing operating

funds is favoured over a budget review system.

Much of the discussion centred around the purposes of a formula, its steering effects, and its ability to support innovation, quality and growth without penalizing steady enrolment situations. Other problems such as economies of scale, trimester operation, and geographic location were raised by the specific universities affected. In addition, a number of possible changes to the present weighting system were discussed.

The "exposure draft" will include position papers on these main issues and how they should be incorporated in formula review. At the same time, the study is progressing in three other areas. An examination of methods of financing in other jurisdictions is being undertaken. Some experimentation with available data is being carried out to test the effects of a number of ideas raised during the university meetings. Visits will be made to some of the universities to follow up in more detail on special problems specific to that university.

How new building rules offer hope for future

The following review of the University's building program has been received from the Office of the Executive Vice-President (Non-Academic). Readers who may have been puzzled by recently published erroneous reports of a large-scale demolition program will find it of interest.

In 1968 the University of Toronto supplied the Department of University Affairs with a statement of the number of square feet within its buildings which were used for University purposes.

Included in this measurement were all of the old houses which had been pur-

chased by the University in its assembly of land for expansion and which, reluctantly, had been adapted for university use. Concurrently with the advice to the Province as to the area of University buildings, the University was asked to state which buildings it planned to demolish or take out of service in the course of its planned development. The old houses, the Borden Dairy building, an old church, and an old swimming club — all in University use — were scheduled for demolition because their sites were scheduled for University de-

Programs to celebrate the discovery of Insulin

Physicians and medical scientists interested in insulin and diabetes and its various complications will be offered an unprecedented feast of knowledge during the week of October 25, when the University of Toronto celebrates the 50th anniversary of the discovery of insulin by the late Sir Frederick Banting and Dr. Charles Best.

In addition to a seminar on Insulin Action for some 200 invited guests and a Refresher Course for Physicians and other interested persons, there will also be lectures by six winners of Gairdner Foundation Awards, as already indicated in an earlier edition of the *Bulletin*. Programs for the Seminar on Insulin Action, the Refresher Course and the Gairdner Lectures are as follows.

SEMINAR ON INSULIN ACTION

Monday, October 25

Session I: "Chemistry of Insulin" (Chairman: A. M. Fisher)

9 a.m. "The arrangement in three dimensions of the atoms in insulin molecules and crystals". D. Hodgkin

9.45 a.m. "Tertiary structure of insulin; structure-function relations". E. Arquilla

11 a.m. "Studies on insulin biosynthesis and secretion". D. F. Steiner

Session II: "Receptors to Insulin in Cell Membranes" (Chairman: I. B. Fritz)

2 p.m. "Proinsulin conversion to insulin". C. C. Yip

2.45 p.m. "Characterization of insulin-receptor interactions in adipose and liver cell membranes". P. Cuatrecasas

4 p.m. "The insulin receptor of fat cells". T. Kono

Tuesday, October 26

Session III: "Metabolic Effects of Insulin — I. Insulin and Cyclic AMP" (Chairman: J. Logothetopoulos)

9 a.m. "Hormone interactions with the liver cell plasma membrane". G. V. Marinetti

9.35 a.m. "Nature of hormone and fluoride stimulation of adenyl cyclase in muscle". G. I. Drummond

10.10 a.m. "The role of insulin in regulation of cyclic AMP metabolism". M. Vaughan

11.15 a.m. "Mechanisms of insulin action on glycogen synthesis in muscle". J. Larner

Session IV: "Metabolic Effects of Insulin — II. Insulin and Adipose Tissue" (Chairman: R. E. Haist)

2 p.m. "Control of adipocyte development and lipid content". C. Hollenberg

2.45 p.m. "Sites of insulin action on lipogenesis". M. Halperin

4 p.m. "The role of cyclic AMP in the action of insulin on glucose metabolism". R. L. Jungas

Session V: "Metabolic Effects of Insulin — III. Insulin and Protein Synthesis" (Chairman: H. Schachter)

9 a.m. "Insulin and the control of protein synthesis in muscle". I. Wool

9.45 a.m. "The regulation of protein

synthesis in normal and diabetic muscle". H. Morgan

11 a.m. "Effects of insulin on the synthesis of proteins in liver, and on the synthesis of specific enzymes in various tissues". M. Krah

Session VI: "Metabolic Effects of Insulin — IV. Integrative Aspects of Insulin Action" (Chairman: G. Hetenyi)

2 p.m. "Metabolic effects of insulin in perfused livers, and an evaluation of the role of cyclic AMP". C. R. Park

2.45 p.m. "Mechanism of inhibition of lipogenesis by cyclic AMP". Helen and Jay Tepperman

4 p.m. "Summary and overview of the integrative aspects of insulin action". I. B. Fritz

4.30 p.m. "Perspectives: Past and Future". C. H. Best.

Open discussion between each paper will be encouraged. No paper is scheduled to last longer than 30 to 45 minutes. All of the above sessions will be held in the main auditorium of the Medical Sciences Building.

REFRESHER COURSE

Thursday, October 28

8.30 a.m. Registration — Old Lecture Theatre, Toronto General Hospital.

9 a.m. Welcome; Introduction — Chairman, Dean A. L. Chute; co-chairman, Robert Ehrlich

9.10 a.m. "Area of current research in diabetes and possible clinical implications". R. M. Ehrlich

9.40 a.m. Stages and types of diabetes, early diagnosis; Other causes of abnormal glucose tolerance". R. McKendry

10.05 a.m. "The relation of treatment of diabetes to the prevention of Microangiopathy". J. Moorhouse

10.35 a.m. "Diet in Diabetes". M. L. Trenholme; "Objectives — practical

(See page 4, col. 1)

To recommend Dean for Faculty of Law

Prof. R. St. J. Macdonald will retire as Dean of the Faculty of Law on June 30, 1972. The Acting President, Dr. J. H. Sword, has approved the following committee to recommend a successor to Prof. Macdonald:

Prof. D. F. Forster, Acting Executive Vice-President (Academic) and Provost (Chairman)

V. P. Alboini (Law student)

Prof. E. R. Alexander (Law)

Prof. P. J. Giffen (Chairman, Sociology)

Dean J. M. Ham (Applied Science and Engineering)

Prof. F. Iacobucci (Law)

J. W. Morden (President, Law Alumni Association)

Craig Perkins (Law student)

Dean A. E. Safarian (Graduate Studies)

Prof. R. E. Scane (Law)

Prof. A. Weinrib (Law).

The committee has asked for suggestions or comments concerning possible candidates. Comments, which may be made in writing or verbally to the chairman or to any member of the committee, should be submitted as soon as possible.

OCTOBER 14 DEADLINE

University of Toronto Bulletin is published by the University News Bureau, Room 225, Simcoe Hall. All material for the next issue should be in the hands of the editor, Mrs. Winogene Ferguson (928-2102) by noon today. The next editorial deadline is noon, October 14.

(See page 2, col. 3)

Dr G F Whitmore is appointed chairman of Medical Biophysics

Dr. G. F. Whitmore is now professor and chairman of the Department of Medical Biophysics in succession to Dr. H. E. Johns, who continues as a professor in the department.

Gordon Francis Whitmore obtained his B.A. (Hons.) in Physics from the University of Saskatchewan in 1953, together with the E. L. Harrington Prize, and in 1954 received his M.A.

Dr. Whitmore was awarded National Cancer Institute Fellowships in Radiation Physics covering the period 1953-56 and joined the Ontario Cancer Institute in 1956. In 1957 he was awarded a Ph.D. in Biophysics by Yale University and in 1958 was appointed assistant professor in the Department of Medical Biophysics, U of T. In 1962 he became associate professor and, the same year, served as vice president of the IX International Congress of Radiology. He was appointed professor in 1965.

Dr. Whitmore is the author or co-author of some 50 scientific papers and also co-author with Dr. M. M. Elkind of the U.S. National Institutes of Health of a book: "Radiobiology of Cultured Mammalian Cells" (Gordon and Breach, London, 1967). Many recent articles have dealt with the action of chemotherapeutic agents. In 1966 he was awarded the David Anderson-Berry Gold Medal of the Royal Society of Edinburgh. He is a member of the councils of the International Association for Radiation Re-



Dr. G. F. Whitmore

search and of the Radiation Research Society.

Dr. Whitmore married Margaret Dawn Stuart; the Whitmores have three children.

Staff associations join unions in support of the United Appeal

Officers of the teaching and support staff associations at the University of Toronto have joined with trades unions represented within the University in urging all members of the U of T community to help the United Appeal on campus.

A statement issued in the name of all the campus organizations points out that "many thousands of our citizens need the services and the help of the 78 health, welfare and recreational agencies supported by the United Appeal".

"Let's show that we care for others less fortunate than ourselves", the statement continues. "Let's respond as generously as we are able when the canvasser in our department calls."

The statement bore the names of Acting President John H. Sword and the presidents of these organizations: University of Toronto Faculty Association, Prof. James B. Conacher; Mrs. Gwen Russell, University of Toronto Staff Association; Dr. R. G. Romans, Connaught Scientific and Business Staff Association; Mrs. M. E. Greene, University of Toronto Librarians' Association, and Mrs. Patricia Holt, Royal Conservatory of Music Faculty Association.

The unions endorsing the Appeal are: Canadian Union of Public Employees,

Local 1230; Connaught Medical Research Employees' Association, International Association of Machinists and Aerospace Workers, Local 235; International Brotherhood of Bookbinders, Local 28; International Brotherhood of Electrical Workers, Local 353; International Printing Pressmen and Assistants Union, Local 10; International Union of Operating Engineers, Local 796; Service Employees' Union, Local 204; Sheet Metal Workers' International Association, Local 30; International Typographical Union / Toronto Typographical Union, Local 91; United Brotherhood of Carpenters and Joiners of America, Toronto & District Council; United Plant Guard Workers of America, Local 1962.

Library Science to hold Open House Oct 23

The School of Library Science faculty and staff, in co-operation with the School's Alumni Association, are holding an Open House to mark the occupancy of the new building at 140 St. George Street (at Sussex Avenue) on Saturday, Oct. 23, from 10 a.m. to 12 noon and from 2.30 to 4 p.m.

STAFF NOTES

Hygiene

DR. JOHN R. BROWN attended the Brouha Symposium in Washington from Sept. 21 to 24 and presented a paper on "Some Medical and Physiological Problems Associated with Lifting in Industry".

DR. M. H. BROWN has been honoured by being elected an honorary life member of the Ontario Thoracic Society; a senior member of the Canadian Medical Association; and an honorary member of the Canadian Public Health Association, in recognition of his long and outstanding involvement with the three organizations. Dr. Brown

presented a paper "Typhoid Fever in Ontario" to the Archivists of the District Societies of the Ontario Medical Association, May 12.

The School of Hygiene and the Division of University Extension, with the support of the Canadian Association of Sports Sciences, presented a three day intensive course in "Exercise, Health, and Fitness" May 13-15.

DR. ELEANOR H. SLIFER, Department of Entomology, Academy of Natural Sciences of Philadelphia, visited the School of Hygiene on April 13 and 14 and presented a seminar on "Chemoreceptors and Other Structures on the Antenna of a Trichopteran, *Frenesia Missa*".

How building rules offer hope if enrolment projections right

(Continued from page 1)

introduced by the Province in April 1969.

In determining the space to which Ontario universities were entitled under the Interim Capital Formula, weightings were given to various categories of enrolment, beginning with a weighting of one for undergraduates in the lower years of Arts and Science and rising up to a weighting of 4 for Ph.D. candidates in Science. The weighted enrolment thus arrived at was multiplied by a basic space unit of 96 square feet to determine the universities' space entitlements.

The universities' space inventories at 1969 were modified by two factors. The first was the expected demolition of old buildings. The second was an "age discount" of 30% of the area of all buildings over 40 years old.

The position at Toronto was that the space inventory as modified by these two factors exceeded for the foreseeable future the space entitlement generated by the weighted enrolment forecasts.

In 1971 the Department of University Affairs withdrew the "age discount" and substituted an "age-quality discount". The age-quality discount reduces the area of any building included in the space inventory by 1% for each year of the building's life. This is a once-only discount and is calculated as at 1971. At Toronto, with its many old buildings, the reduction in the space inventory is substantially greater under the new age-quality discount than under the former age discount. The reduction of the space inventory by the amount of the age-quality discount is being received over five years at 20% per year.

The result of the change is that at the end of five years the University of Toronto, if its enrolment forecasts are not reduced, will be entitled to new space. However —

¶The best plotted enrolment projections may not prove accurate.

¶The rules can change. For example, the amount a university could spend on new space was set at \$55 a square foot. In the course of his April 27 announcement, DUA Minister John White said: "Be-

cause the total university "entitlement" resulting from formula calculations, plus non-formula items such as land acquisition, utilities and site development, plus the 1% allowances for age, quality renovation and alterations, has exceeded the \$105 million provision, allocations to each university have been prorated at 96.6% of entitlement."

¶Before a building is planned, a site must be found.

¶Before construction starts on any building requiring Government funding, the University and the Department of Colleges and Universities must agree on the need and the cost. (e.g., Earlier this year, construction of an addition for Scarborough College was delayed until plans were revised to bring the cost down to what the Department considered was an appropriate level.)

A number of factors must be considered before demolishing any structure, no matter how outworn and inefficient it may be:

First of all, if it houses part or all of a University department, or staff or student services, suitable quarters must be provided for the people and equipment in it.

In the case of tired old buildings of any size, the expenditure needed for repairs and renovations if its University occupants are to remain — or the cost of mandatory changes if the property is to be leased — must be carefully calculated and then weighed against the question: is the site of the building likely to be needed for new construction before value is received for the money required to put it in shape?

Another question is whether a structure's operating cost can be justified. Operating costs for some of the University's older buildings are much higher than for some of its newer buildings.

One administrator put it this way: in a period of financial stringency, should the University waste its assets fixing up 2nd class space for a limited period?

Those staff and students who have suffered the inadequacies of old houses and industrial buildings over many years will be encouraged by the prospect of up-to-date accommodation.

Faculty of Music seeks organ for Edward Johnson concert hall

When the Edward Johnson Building was completed nine years ago, provision was made in the Concert Hall for an organ. But lack of funds has delayed the installation of an instrument.

"Now", says Dean John Beckwith of the Faculty of Music, "our organ program has grown to the point where we feel we must make up for this lack, quite apart from our wanting to end the absurdity of a leading university music department not having a concert organ."

The Faculty has overcome the lack only through the co-operation of various churches and of its sister institution, the Royal Conservatory of Music, which is itself pressed for organ-time. Even more important, says Dean Beckwith, is the inability of organ majors to play for fellow students on "home territory" and the im-

possibility of enabling staff and students to hear local and visiting organists in recital.

A committee headed by Prof. Godfrey Ridout has recommended the purchase of a Canadian-made organ, of classical specifications, with between 25 and 30 stops, at a price of \$70,000.

Now the committee is seeking funds for the instrument. An account has been set up within the Varsity Fund so that gifts may be accepted and receipted for income tax deduction purposes. Several donations have been received, including an undertaking from the Audrey S. Hellyer Charitable Foundation of a gift of \$25,000 if the committee can match that amount in funds raised elsewhere. Cheques for the organ should be made payable to "Varsity Fund — Organ Account" and may be sent to the Faculty of Music.

Renewals needed for all staff who would like magazine free

The system initiated last year whereby all members of the academic and non-academic staffs who complete a coupon will receive the University of Toronto Graduate at no cost is being continued for 1971-72.

In view of new appointments, promotions, and other changes in most departments, last year's complimentary list cannot be used. Because of the general belt-tightening, we lack staff to put a tracer on every name.

Therefore, even those who completed coupons last year, and who would still like to see periodicals produced primarily for people outside the University, are asked to complete and return the coupon printed below.

Please complete and return to the University News Bureau, Simcoe Hall

Put me on the U of T Graduate free list for 1971-72.

MR., MISS, MRS., DR., PROF. (PLEASE PRINT).....
University rank or category.....
University or professional address.....

The U of T News is addressed mechanically to all alumni (graduates or former students) for whom the University has addresses. If you are not an alumnus and would like to receive the News without cost, please check here ☐

COMING EVENTS

OCTOBER (Continued from page 1)

14 THURSDAY

Theatre

"New Spanish-American Theatre". Prof. Frank Dauster, Rutgers University. Room 1021 Sidney Smith Hall. 4.15 p.m. (SGS and Italian and Hispanic Languages and Literatures)

Medicine

"ppGpp (guanosine tetraphosphate) — A Novel Regulatory Nucleotide in Bacterial Cells". Dr. M. Cashel, National Institute of Child Health and Human Development, Bethesda, Md. 2172 Medical Sciences Building. 4.15 p.m.

Archaeology

"Tikal-Tayasal: The Role of Monumental Architecture in Classic Maya Civilization". Dr. Stanley Loten. Lecture Room, McLaughlin Planetarium. 4.30 p.m. (Archaeological Institute of America, Toronto Society)

Decorative Arts

"The Lee Collection". Yvonne Hackenbroch, Curator of Western European Arts, New York Metropolitan Museum. Room 4 ROM. 8.30 p.m. Admission \$1.50. ROM members free.

Colloquium Astronomy- Physics

"The Origin of Cosmic Magnetic Fields". Prof. E. N. Parker, Chairman, Department of Physics, University of Chicago. Room 102 McLennan Physical Laboratories. 4.10 p.m. (SGS, Astronomy and Physics)

15 FRIDAY

Lectures

"Archeology, Money and Medicine". Dr. Gerald D. Hart, East General Hospital. 102 McLennan Physical Laboratories. 12 noon. A general discussion will follow. (History and Philosophy of Science and Technology)

Environment

"Educational Environmental Management". Prof. L. J. Mostertman, International Hydrological Decade. Council Room, 211 Mill Building. 10 a.m. (Environmental Sciences and Engineering)

Theatre

Illustrated lecture "Problems in Medieval Staging". Prof. A. M. Nagler, Yale. Upper Library, Massey College. 9.45 a.m. (Drama Centre)

Illustrated lecture "The Bavarian Comedia Frescos". Prof. A. N. Nagler, Upper Library, Massey College. 2 p.m. (Drama Centre)

Seminars

"The Challenge of the Great Lakes". Dr. A. D. Misener. Room 124 Lillian Massey Building. 9 a.m. (Food Sciences)

Medicine

"Chemical and Biological Synthesis of ppGpp". Dr. M. Cashel. 5227 Medical Sciences Building. 11 a.m.

Slide Showing China

"China: Cultural Revolution or Cultural Rearrangement". Prof. Margo Gewurtz, Department of History, York University, who toured China this summer. Stedman Lecture Halls, York. 3 to 5 p.m. (East Asian Studies Committee, ISP)

Party

Wine and cheese party at Graduate Students' Union. All graduate students welcome. 4 to 7 p.m.

18 MONDAY

Lecture

Religion

First in series of three Larkin-Stuart Memorial Lectures by The Archbishop of Canterbury, Dr. Michael Ramsey. "God and the Bible". Seeley Hall, Trinity College. 8.30 p.m. Free (University of Trinity College and St. Thomas' Anglican Church)

19 TUESDAY

Lecture

Religion

"Jesus Christ and History". The Archbishop of Canterbury. Seeley Hall, Trinity College. 8.30 p.m. Free.

Seminar

Medicine

"Electrical Control of Ciliary Motion". Dr. Roger Eckert, Department of Zoology, University of California, Los Angeles. Room 3171 Medical Sciences Building. 5 p.m. (Neuroscience Committee and the Toronto Neurological Society)

20 WEDNESDAY

Lectures

Literature

"A Metamorphological Postscript: Reflections Upon Some Current Views of Metaphor". Max Black, Cornell University. Room 106 U.C. 4.30 p.m. (Graduate Program in Comparative Literature)

Religion

"Religion: Escape or Freedom". The Archbishop of Canterbury. Seeley Hall, Trinity College. 8.30 p.m. Free.

Theatre

"Way of the World", Congreve's classic Restoration comedy in a revival of the March production. Directed by Hans de Groot, designed by Mary Kerr, with Michael Tait, Doris Cowan and Frances Halpenny in the main parts. Oct. 20-23 and 26-30 at 7.30 p.m. University College Playhouse (79A St. George St.) Tickets 922-0136. (UC Playhouse)

Athletics

Soccer. McMaster at Varsity. Varsity Stadium. 4 p.m.
Rugger. McMaster at Varsity. Back Campus. 4 p.m.

22 FRIDAY

Seminar

"The Application of Modern Scientific Techniques to the Investigation of Ancient Objects". Dr. U. M. Franklin. Room 124 Lillian Massey Building. 9 a.m. (Food Sciences)

23 SATURDAY

Open House

To mark the occupancy of the School of Library Science's new building. 140 St. George Street (at Sussex Avenue). 10 a.m. to noon, and 2.30 to 4 p.m.

Athletics

Soccer. Guelph at Varsity. Back Campus. 12 noon.
Rugger. Waterloo at Varsity. Back Campus. 12 noon.
Football. Queen's at Varsity. Varsity Stadium. 2 p.m.

Homecoming

24 SUNDAY

Music

Janet Baker, mezzo soprano. MacMillan Theatre, Edward Johnson Building. 8.30 p.m. Tickets \$5, \$3. Box office 928-3744. (Faculty of Music and Canadian Broadcasting Corporation)

Service

Massey College Choral Communion. Voluntary: *Pastorale in F*: Bach; Mass: *Leroy Kyrie* (Westron Wynde); Taverner; Anthem: Have Mercy on Me, O Lord: Taverner. Massey College Chapel. 5 p.m. Visitors welcomed.

26 TUESDAY

Seminar

Medicine

"The Cortical Associations Systems". Dr. Wendall J. S. Krieg, Department of Anatomy, Northwestern University, Medical School, Chicago. Room 3171 Medical Sciences Building. 5 p.m. (Neuroscience Committee and the Toronto Neurological Society)

27 WEDNESDAY

Seminars

Pakistan

"Some Basic Punjabi Stereotypes and Their Impact on Current Policy-Making in Pakistan". Prof. K. B. Sayeed, Department of Political Science, Queen's University. Room 402, 158 St. George St. 11 a.m. (South Asian Studies Committee, ISP)

Engineering

Third in series "Role of the Engineer in Society". Prof. M. Wayman. Council Room G-202 Galbraith Building. 4.10 p.m. Students and staff from all faculties welcome. (Applied Science)

Lecture

Pakistan

"Whither Pakistan?" Prof. K. B. Sayeed. 1070 Sidney Smith Hall. 3 p.m. (South Asian Studies Committee, ISP)



C H Bedford chairs Slavic department

Dr. C. Harold Bedford has been appointed chairman of the Department of Slavic Languages and Literatures, succeeding Prof. Kathryn B. Feuer who retired from this position at the end of June.

Prof. Bedford was the first person to receive the M.A. in Slavic Studies at U of T. Previously he earned his B.A. here in Modern Languages and Literatures (French and Russian). Subsequently he studied at the School of Slavonic and East European Studies, London University, receiving his Ph.D. in 1956.

He has since taught at U of T, becoming associate professor in 1964, and he was associate chairman of the department, 1966-1970.

Publications include articles in *Canadian Slavonic Papers*, *Slavonic and East European Review*, and *Slavic Review*.

Dr. Bedford is married to the former Hannele Malmio who taught surgical nursing at Helsinki University. They have two daughters.

EXHIBITIONS

David Blackwood, Watercolours. Exhibition by Erindale's Artist-in-Residence. Erindale College. To Oct. 15.

Student Prints '70-'71. Exhibition of graphics by Erindale students working in association with the Artist-in-Residence. Erindale College. To Oct. 30.

Allegories and Visions: Fantastic Art of Hieronymous Bosch (1450-1516) reproduced on 40 panels. Also a film on the artist and his work. Erindale College. From Oct. 8 to Oct. 27.

Beginning Oct. 1, ROM will be open until 9 p.m. daily except Mondays. Tues. to Sat., 10 a.m. to 9 p.m., Sun. 1 to 9 p.m. and Mon. 10 a.m. to 5 p.m.

"Omens of Disaster". McLaughlin Planetarium. To Nov. 28. Tuesday to Friday, 3.30 and 8 p.m.; Saturday, 11 a.m., 2, 3.30, 5, and 7.30 p.m.; Sunday, 2, 3.30, 5, and 7.30 p.m. Children under six not admitted to the Theatre.

"Keep Me Warm One Night". Major exhibition of handweaving in early Canada. More than 500 items on display offer fascinating detail of social customs in Canada before 1900. Exhibition Hall, ROM. To Oct. 31.

"People of the North Portraits by Susan Ross". Travels to Pond Inlet, North Baffin and northern regions of Ontario and Manitoba provided Susan Ross with strong subjects for her portraits. Lower Rotunda, ROM. To Oct. 31.

"The Woodcut: From Durer to the 20th Century". To honour the 500th anniversary of Durer's birth, the showing from ROM's European print collection follows the development of the woodcut. Third floor Rotunda, ROM. To Oct. 31.

"Stamps". Selections of stamps from Canada and the provinces. Stamp Corner, Lower Rotunda, ROM. To Nov. 1.

"Important Minerals". A special display case features 27 of the more important minerals acquired by the Museum in the past year. Mineral Gallery, main floor, ROM. To Nov. 2.

"Blankets and Coverlets". Handwoven blankets, coverlets and linens from the United States and Europe. 2nd floor, Textile Gallery, ROM. To Oct. 31.

Ph.D. Orals

All members of the Graduate Faculty have the right to attend Ph.D. Oral Examinations.

Tuesday, October 12

B. Holub, Department of Biochemistry. "Inter-Relationships in Phospholipid Metabolism". Thesis supervisor: Prof. A. Kuksis. Room 108, 16 Hart House Circle. 2 p.m.

Friday, October 15

B. K. Gupta, Department of Physics. "Depolarised Rayleigh and Rotational Raman Scattering From H₂, D₂HD and H₂-He, H₂-Ne Mixtures". Thesis supervisor: Prof. A. D. May. Room 053 Burton Tower. 3 p.m.

Monday, October 18

J. Hinchcliffe, Department of English. "The Steele-Head Speare and the Shepherds Hooke: A Study of Book VI of *The Faerie Queene*". Thesis supervisor: Prof. M. MacLure. Room 107, 16 Hart House Circle. 2 p.m.

Tuesday, October 19

Miss D. R. Runnalls, Department of Near Eastern Studies. "Hebrew and Greek Sources in the Speeches of Josephus' Jewish War". Thesis supervisor: Prof. R. J. Williams. Room 107, 16 Hart House Circle. 10 a.m.

Sister Bernard Malone, Department of Classics. "Christian Attitudes Towards Women in the Fourth Century: Background and New Directions". Thesis supervisor: Prof. J. M. Rist. Room 107, 16 Hart House Circle. 2 p.m.

Wednesday, October 20

K. G. Neave, Department of Physics. "Icequake Seismology". Thesis supervisor: Prof. G. F. West. Room 108, 16 Hart House Circle. 2 p.m.

Miss Pat Gurr, Department of Biochemistry. "Kinetic Studies of Horse-Liver Alcohol Dehydrogenase". Thesis supervisor: Prof. J. T. Wong. Room 108, 16 Hart House Circle. 10 a.m.

Thursday, October 21

R. Drolet, Department of Electrical Engineering. "Introduction to the Peripheral Bladder Control System of the Dog: Characterization — Theory — Applications". Thesis supervisor: Prof. H. Kunov. Room 108, 16 Hart House Circle. 3 p.m.

Friday, October 22

S. K. Land, Department of English. "Aspects of the Theory of Language in the Philosophy and Aesthetics of the Eighteenth Century". Thesis supervisor: Prof. H. N. Frye. Room 201, 65 St. George Street. 10 a.m.

J. P. Hodych, Department of Physics. "Change of Magnetization of Rocks Under Pressure". Thesis supervisor: Prof. G. F. West. Room 108, 16 Hart House Circle. 2 p.m.

Miss S. Wasi, Department of Biochemistry. "Studies on Conformational Changes in Pancreatic Serine Proteases". Thesis supervisor: Prof. T. Hofmann. Room 107, 16 Hart House Circle. 10 a.m.

Monday, October 25

R. Margeson, Department of Medieval Studies. "A Key to Medieval Fiction Romance and Didacticism in *Le Morte Arthur* and *Le Bel Inconnu*". Thesis supervisor: Prof. R. Harden. Room 108, 16 Hart House Circle. 2 p.m.

Mrs. S. Auty, Department of English. "Antisplenetic Mirth in the Novels of the Mid 18th Century". Thesis supervisor: Prof. P. Bruckmann. Round Room, Massey College. 2 p.m.

The final Ph.D. oral examination of D. R. Broomes, Department of Educational Theory, which was to take place on October 14, has been cancelled, and has been re-scheduled for today in Room 201, 65 St. George Street. 2 p.m.

The final Ph.D. oral examination of F. D. Herman, Department of Educational Theory, which was to take place on October 14, has been cancelled, and has been re-scheduled for today in Room 201, 65 St. George Street. 10 a.m.

Summer research grants

The following has been received from the Office of Research Administration:

No one should make an application to the Humanities and Social Sciences Committee of the Research Board for summer research in the 1971-72 year, for any amount in excess of \$300, unless the following conditions apply:

(a) An application for support of the research has been made to the Canada Council or other appropriate granting agency by Dec. 31, 1971.

(b) The Canada Council or such other agency has refused the application.

A K Warder appointed chairman of Sanskrit and Indian Studies

Dr. A. K. Warder has been appointed chairman of the Department of Sanskrit and Indian Studies, disciplines formerly taught in the Department of East Asian Studies, of which Prof. Warder was chairman for a five-year term, until this year.

Prof. Warder came to Toronto's East Asiatic Studies department in 1963 from the University of Edinburgh, where he was head of the Department of Sanskrit. In Britain as well as Canada, he was a pioneer in his field.

After service in the Royal Navy he studied at the School of Oriental and African Studies and University College, London, earning his Ph.D. in 1954.

When Dr. Warder took up his appointment here he began to develop the Indian programs, the emphasis being on the main 'classical' tradition of India, which uses Sanskrit (and in the second place Pali, in the Buddhist tradition). After his appointment as chairman in 1966 he was responsible for the further development of the Chinese and Japanese programs as well. With the appointment of Prof. W. G. Saywell as chairman of the Department of East Asian Studies, Dr. Warder hopes to consolidate and develop the Indian programs.

His main areas of research have been as follows:

Pali - *Introduction to Pali* (1963), *Pali Metre* (1967), *Pali Tipitakam Concordance* Vol. III (1963 in progress, with various collaborators and grants from the Canada Council);

Philosophy - *Mohavichhendani* (a philosophical text edited and published in 1961), *Indian Buddhism* (1970), *Outline of Indian Philosophy* (1971), several articles on philosophical problems in the *Bulletin of the School of Oriental and African Studies*, London, and the *Journal of Indian Philosophy*, Dordrecht.

Literature and Criticism - his major work on Indian literature and criticism is now in the press; previously he had published a number of articles in this



Dr. A. K. Warder

area and also a joint edition and translation of a drama, with Prof. Venkatacharya, the *Ubhayabhisarikā* (1967).

History - *An Introduction to Indian Historiography* (1971 - a study of Indian, mainly Sanskrit, historical writings), several articles on Indian history in the *Journal of the Economic and Social History of the Orient*, Leiden, and elsewhere.

He has also written a *Sanskrit Prose Reader*, with vocabulary, to facilitate the teaching of the language (1965, Departmental Publication).

Dr. Warder is a director of the Shastri Indo-Canadian Institute, representing this University, which is sponsored by the two governments and supports research by Canadian academics in India and the acquisition of Indian books by Canadian libraries.

Detailed program of events celebrating discovery of Insulin

(Continued from page 1)

pointers learned from patient interviews". Isabel Lockerbie

11.30 a.m. "Insulins; choice, times of poor control (excess and deficient); How to recognize and what to do". C. K. Gorman

12 noon "Oral hypoglycaemic agents". N. Forbath

1.30 p.m. "Training of the diabetic patient; role of day care centres". Wm. B. Spaulding

2 p.m. "A program for following the diabetic in office or clinic". W. T. W. Clarke

2.30 p.m. "Problems in daily living (a) Practical problems in self-care". Felicity Smith. "Personal relations, inheritance, impotence". C. K. Gorman

3 p.m. "Problems of employment, insurance, etc.". D. Coe

3.45 p.m. "How children differ - the difficult (labile) diabetic". H. W. Bain

4.15 p.m. "Acute complications in the diabetic patient (I) "Management of infections, other stress, elective and emergency surgery". B. E. Hazlett

5-6 p.m. Panel or small-group question and answer discussion: "Diagnostic criteria, surveys, basis of treatment". J. Moorhouse, R. McKendry; "Diet learning and training". Isabel Lockerbie, Felicity Smith, M. L. Trenholme, Wm. B. Spaulding. "Difficult problems in control". C. K. Gorman, H. W. Bain

6-7 p.m. Reception, students' lounge, TGH

Friday, October 29

1 p.m. Chairman, George Steiner. "Acute complications (II) Ketoacidosis and other comas; prevention, early recognition, treatment". Wm. C. Nicholas

1.30 p.m. "Pregnancy in the diabetic". B. S. Leibel, D. J. Gare, R. M. Ehrlich

2 p.m. "Neuropathy: types, recognition, treatment, prognosis". J. G. Humphrey

2.30 p.m. "Care of the feet in the diabetic at risk". P. Walpole

3.15 p.m. "Microangiopathy (I) Eye lesions; management and prognosis". C. B. Mortimer

3.45 p.m. "Microangiopathy (II) Renal lesions; experience with chronic dialysis". S. A. Fenton

4.15 p.m. Participants may question the various speakers privately.

GAIRDNER LECTURES

Friday, October 29

10 a.m.-12 noon "Reminiscences of 1921". Dr. Charles H. Best. "Sequences in nucleic acids". Dr. Frederick Sanger; "Principles and application radioimmunoassay". Dr. Rosalyn Yalow.

Saturday, October 30

9.30 a.m. "Identification of multiple forms of peptide hormones in the plasma and tissue by radioimmunoassay". Dr. Solomon Berson; "Precursor processing in the biosynthesis of insulin and other macromolecules". Dr. Donald Steiner; "The Mechanism of insulin action". Dr. Rachmiel Levine.

All the Gairdner lectures are in the auditorium, Medical Sciences Building.

Holidays announced

Dr. J. H. Sword, Acting President, has announced the following holiday periods:

Thanksgiving Day, Monday, Oct. 11. Christmas, from 5 p.m. Wednesday, Dec. 22 to 8.45 a.m. Monday, Dec. 27.

New Year's, from 5 p.m. on Thursday, Dec. 30, to 8.45 a.m. Monday, Jan. 3, 1972.

Appointed & Promoted

Administration

PATRICK S. PHILLIPS has been appointed Director of Student Awards, effective Sept. 1, succeeding Miss Lois REIMER. He has been Senior Awards Officer for the past two years. Prior to joining this office he spent one year with the Office of the Vice-President and Registrar as an administrative assistant and at that time was deeply involved in the work of the Commission on University Government. Mr. Phillips is an honours history graduate of the University of Toronto in 1965 and also has a Chartered Accountancy degree.

Mr. Phillips' place as Senior Awards Officer will be taken by Miss Iris Hosse who holds B.A. and M.A. degrees from Carleton University and the University of Western Ontario. She has had two years' experience as an assistant counsellor with the Division of University Extension.

MRS. DEBORAH ROWAN-LEGG, an honours graduate of the University of Western Ontario with experience in academic counselling, has been appointed Student Enquiry Officer in the Office of Admissions. Mrs. Rowan-Legg succeeds Mrs. ELIZABETH WILSON in the position.

Innis College

DAVID KING, Registrar and Academic Co-ordinator, has returned from a six months' leave of absence. Mr. King, with the aid of a Canada Council travel grant, visited university campuses from coast to coast, working towards the completion of an historical survey of English departments in Canadian universities. He will be assisted this year in his work as Academic Co-ordinator of the College by Prof. R. C. FLOWRIGHT.

ARTHUR S. WOOD has been appointed Assistant to Principal Peter H. Russell. Mr. Wood, most recently a Fellow of Trinity College, is taking graduate work at the Centre for Medieval Studies. Previously, he was Assistant Director of Admissions at Haverford College, Philadelphia, where he did undergraduate work in history, and for the Ford Foundation in New York, where he was a national consultant for the Division of Education and Research. Mr. Wood's duties will include responsibility for the operation and maintenance of Innisfree Farm, and organization of planning for a permanent building for Innis College.

LAURA BRADBURY has been appointed Residence Co-ordinator of Innis College as of July 1. Innis has four off-campus houses for forty students and one on-campus house for forty-one students. Miss Bradbury worked in Hamilton and Toronto as a social worker for two years.

JOHN G. DIMOND has been appointed Director of the Transitional Year Program. The Program offers a one-year pre-university course for students whose high school education has been curtailed for various cultural and financial reasons, and who have no chance of obtaining admission requirements in the usual manner. The course is in the second of a three-year trial period under the sponsorship of U of T and the Department of University Affairs. Mr. Dimond received his M.A. from Toronto in 1966 and is a Ph.D. candidate in the Department of Philosophy. For the past two years he has been the Assistant to the Principal and Residence Co-ordinator at Innis.

The new members of the Innis College Council are: Prof. G. W. BANCROFT of the College of Education; Prof. KENNETH McCUAIG of the Department of Anatomy; Prof. W. H. NELSON of the Department of History; Prof. DERECK PAUL of the Depart-



Patrick S. Phillips

ment of Physics; and Prof. G. THALER of the Department of Botany at Erindale.

Emmanuel College

Prof. WILLIAM O. FENNELL has been appointed Acting Principal of Emmanuel College, Victoria University.

Medicine

The names of three new Period Co-ordinators of undergraduate medical curriculum have been announced.

E. LLEWELLYN THOMAS replaces E. A. SELLERS as Coordinator of the 18-month Period I, devoted to such basic medical sciences as Anatomy, Physiology, Biochemistry and Pharmacology.

ROBERT VOLPE succeeds J. C. LAIDLAW as Coordinator of the 18-month Period II, devoted to mechanisms of disease.

W. R. FRANCOMBE follows N. A. WATERS as Coordinator of Period III, devoted to Clinical Clerkship, a combination of didactic teaching and clinical experience on the wards.

A. B. STOKES has been appointed professor emeritus in the Department of Psychiatry, and honorary consultant, Clarke Institute of Psychiatry.

MICHAEL ROBIN EASTWOOD, a graduate in medicine of the University of Edinburgh and in psychiatry of the Maudsley Hospital and the Institute of Psychiatry, London, has been appointed assistant professor (psychiatry), and to the medical staff, Clarke Institute of Psychiatry in the research section on "Psychiatric Epidemiology".

R. J. MAHABIR has been promoted to assistant professor (psychiatry). He is also assistant director - Medical, Clarke Institute of Psychiatry.

Social Work

RITA LINDENFIELD has been promoted to associate professor. She is also consultant in Social Work at the Clarke Institute of Psychiatry.

Extension

ALEX R. WAUGH has been promoted to the rank of Assistant Director in the Division of University Extension. His previous position was that of Senior Counsellor in Degree, Diploma and Certificate Courses in the Division.

Health Sciences Council affiliates with COU

At its September meeting the Council of Ontario Universities approved a request for affiliate status by the Ontario Council of University Health Sciences. This body was formed recently to coordinate developments in the health sciences in Ontario universities.

The purposes of the new Council, as stated in its constitution, are:

(1) to provide an effective means of coordination of effort through a regular medium of communication between health science faculties and schools of Universities of Ontario;

(2) to provide a forum for discussion of problems of mutual interest;

(3) to advise the COU on matters which will influence health science edu-

cation and research and to advise on membership of the Ontario Council of University Health Sciences;

(4) to consider such matters as may be referred to it by the COU;

(5) to serve in a liaison capacity between the schools and faculties represented on it and other agencies offering educational programs for allied health personnel.

The membership of the Council includes senior executive officers, or their delegates, from each university faculty or school of medicine, dentistry, pharmacy, nursing, hygiene, optometry and veterinary medicine, and in addition, in universities with a health-science centre, the senior administrative officer for health sciences.